

FIG. 1A

	gggcaggaagacggcgctgcccggaggagc ggggcgggcggggcg															-153 -77 -1			
ATG	CTG	CAG	TCC	CTG	GCC	GGC	AGC	TCG	TGC	GTG	CGC	CTG	GTG	GAG	CGG	CAC	CGC	TCG	57
M	L	Q	S	L	A	G	S	S	C	V	R	L	V	E	R	H	R	S	19
GCC	TGG	TGC	TTC	GGC	TTC	CTG	GTG	CTG	GGC	TAC	TTG	CTC	TAC	CTG	GTC	TTC	GGC	GCA	114
A	W	C	F	G	F	L	V	L	G	Y	L	L	Y	L	V	F	G	A	38
GTG	GTC	TTC	TCC	TCG	GTG	GAG	CTG	CCC	TAT	GAG	GAC	CTG	CTG	CGC	CAG	GAG	CTG	CGC	171
V	V	F	S	S	V	E	L	P	Y	E	D	L	L	R	Q	E	L	R	57
AAG	CTG	AAG	CGA	CGC	TTC	TTG	GAG	GAG	CAC	GAG	TGC	CTG	TCT	GAG	CAG	CAG	CTG	GAG	228
K	L	K	R	R	F	L	E	E	H	E	C	L	S	E	Q	Q	L	E	76
CAG	TTC	CTG	GGC	CGG	GTG	CTG	GAG	GCC	AGC	AAC	TAC	GGC	GTG	TCG	GTG	CTC	AGC	AAC	285
Q	F	L	G	R	V	L	E	A	S	N	Y	G	V	S	V	L	S	N	95
GCC	TCG	GGC	AAC	TGG	AAC	TGG	GAC	TTC	ACC	TCC	GCG	CTC	TTC	TTC	GCC	AGC	ACC	GTG	342
A	S	G	N	W	N	W	D	F	T	S	A	L	F	F	A	S	T	V	114
CTC	TCC	ACC	ACA	GGT	TAT	GGC	CAC	ACC	GTG	CCC	TTG	TCA	GAT	GGA	GGT	AAG	GCC	TTC	399
L	S	T	T	G	Y	G	H	T	V	P	L	S	D	G	G	K	A	F	133
TGC	ATC	ATC	TAC	TCC	GTC	ATT	GGC	ATT	CCC	TTC	ACC	CTC	CTG	TTC	CTG	ACG	GCT	GTG	456
C	I	I	Y	S	V	I	G	I	P	F	T	L	L	F	L	T	A	V	152
GTC	CAG	CGC	ATC	ACC	GTG	CAC	GTC	ACC	CGC	AGG	CCG	GTC	CTC	TAC	TTC	CAC	ATC	CGC	513
V	Q	R	I	T	V	H	V	T	R	R	P	V	L	Y	F	H	I	R	171
TGG	GGC	TTC	TCC	AAG	CAG	GTG	GTG	GCC	ATC	GTC	CAT	GCC	GTG	CTC	CTT	GGG	TTT	GTC	570
W	G	F	S	K	Q	V	V	A	I	V	H	A	V	L	L	G	F	V	190
ACT	GTG	TCC	TGC	TTC	TTC	TTC	ATC	CCG	GCC	GCT	GTC	TTC	TCA	GTC	CTG	GAG	GAT	GAC	627
T	V	S	C	F	F	F	I	P	A	A	V	F	S	V	L	E	D	D	209

FIG. 1B-1

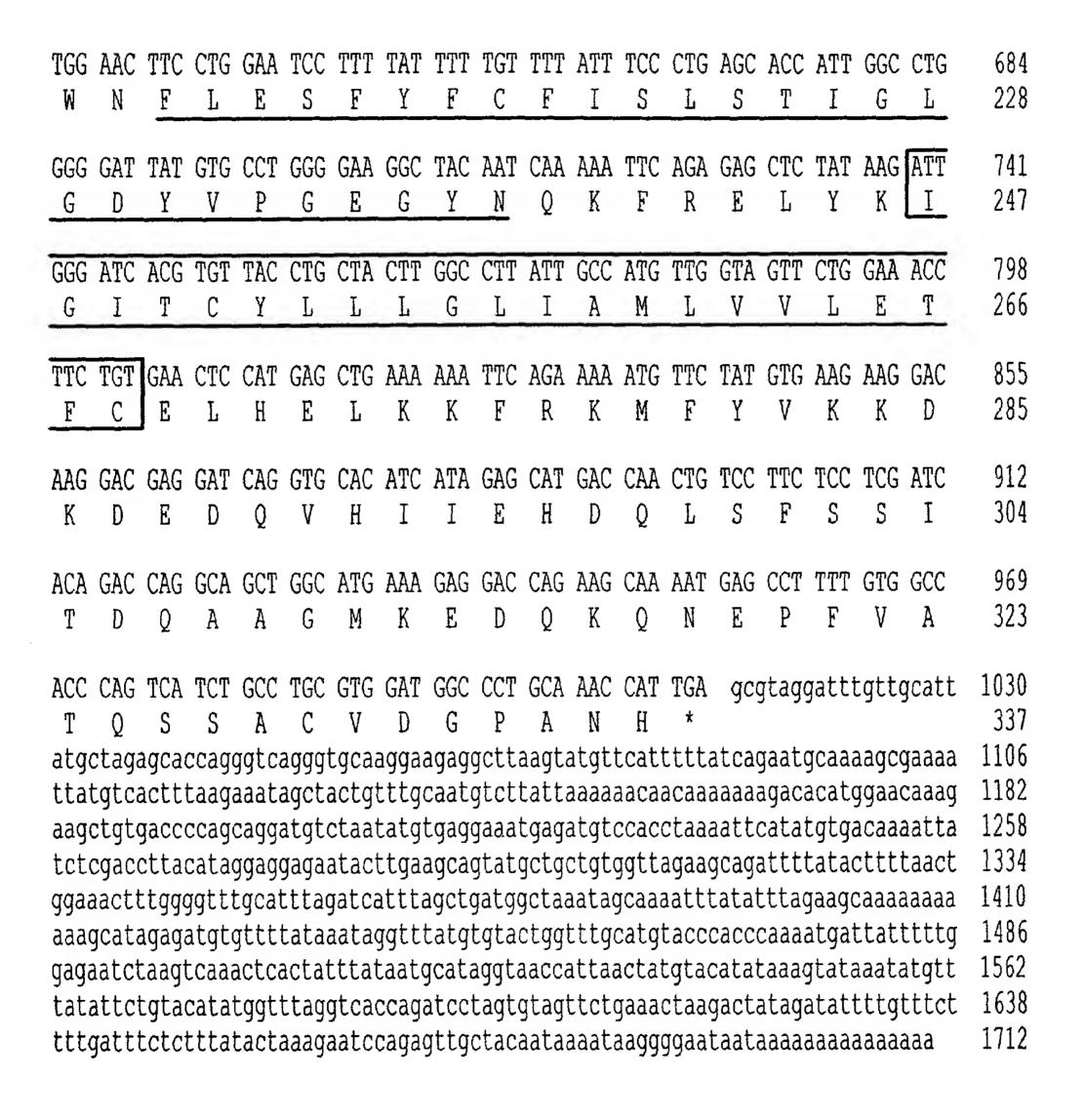
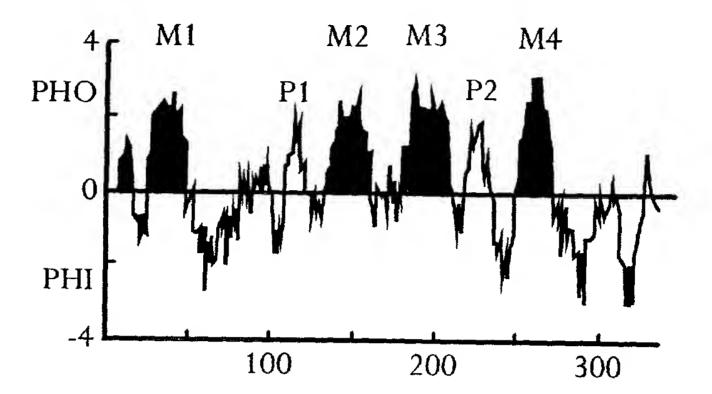


FIG. 1B-2



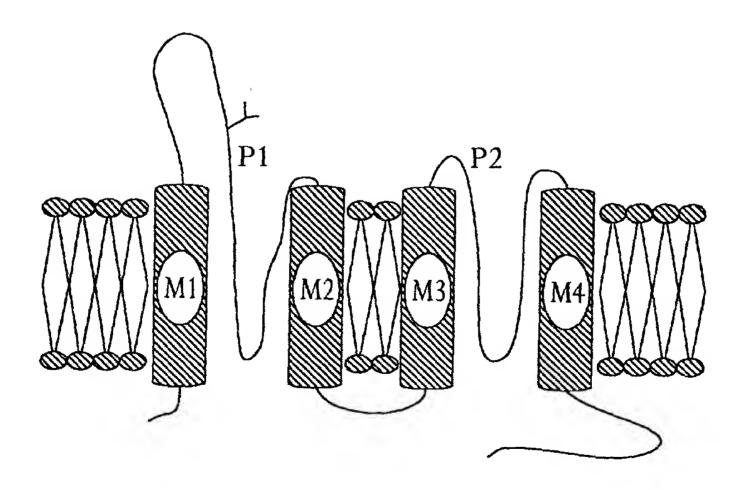


FIG. 1C

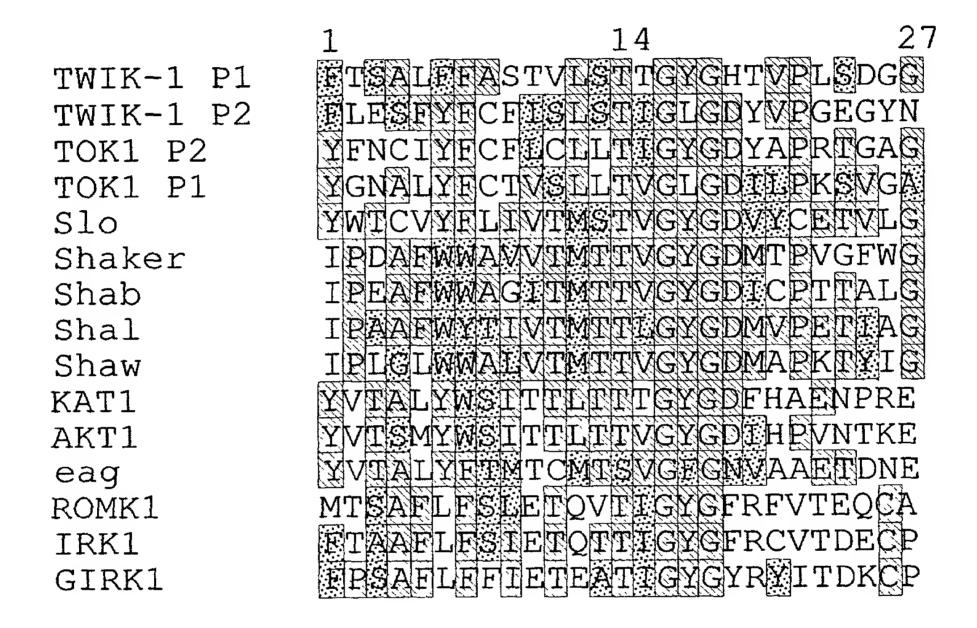


FIG. 2A

1

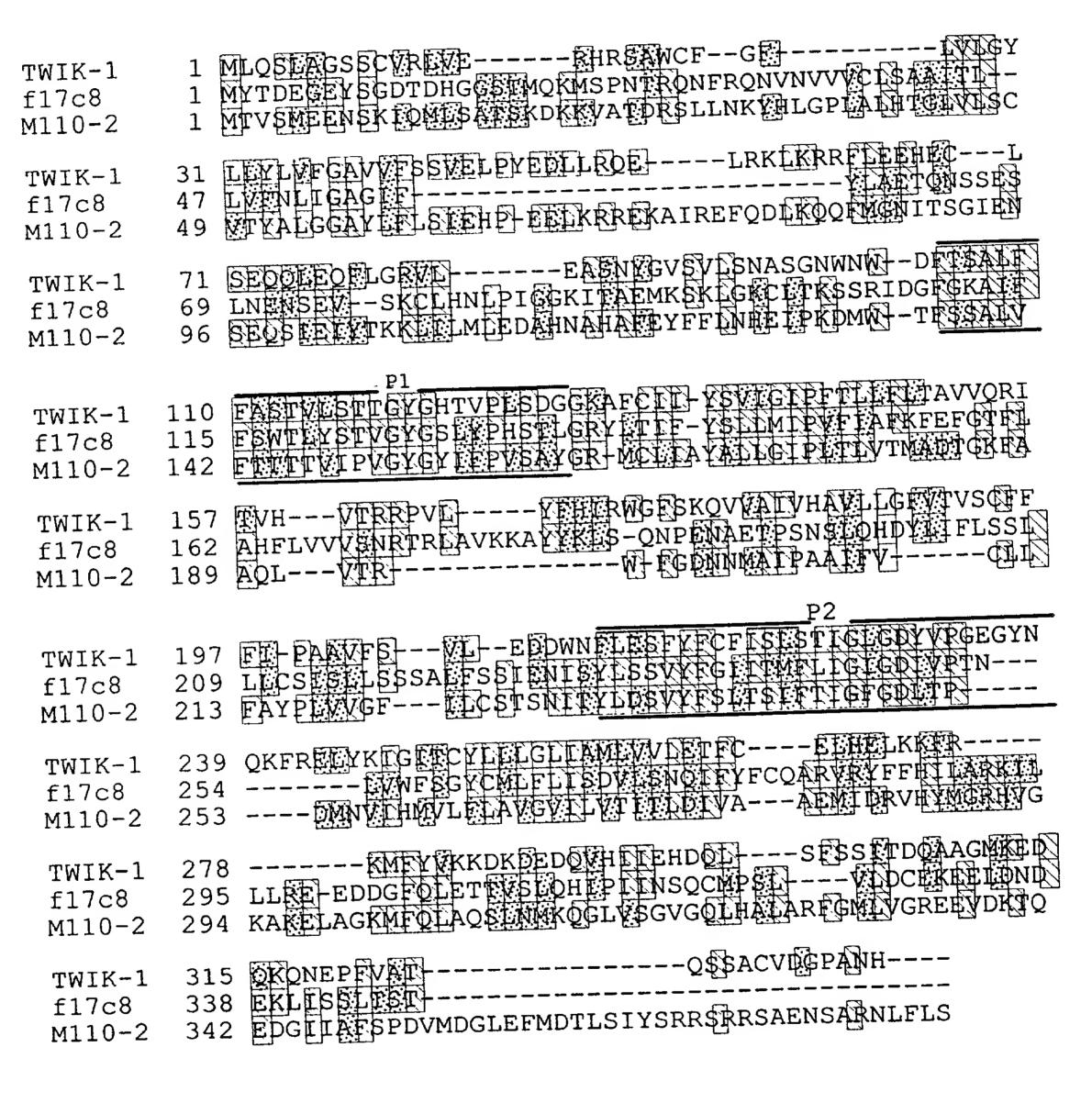
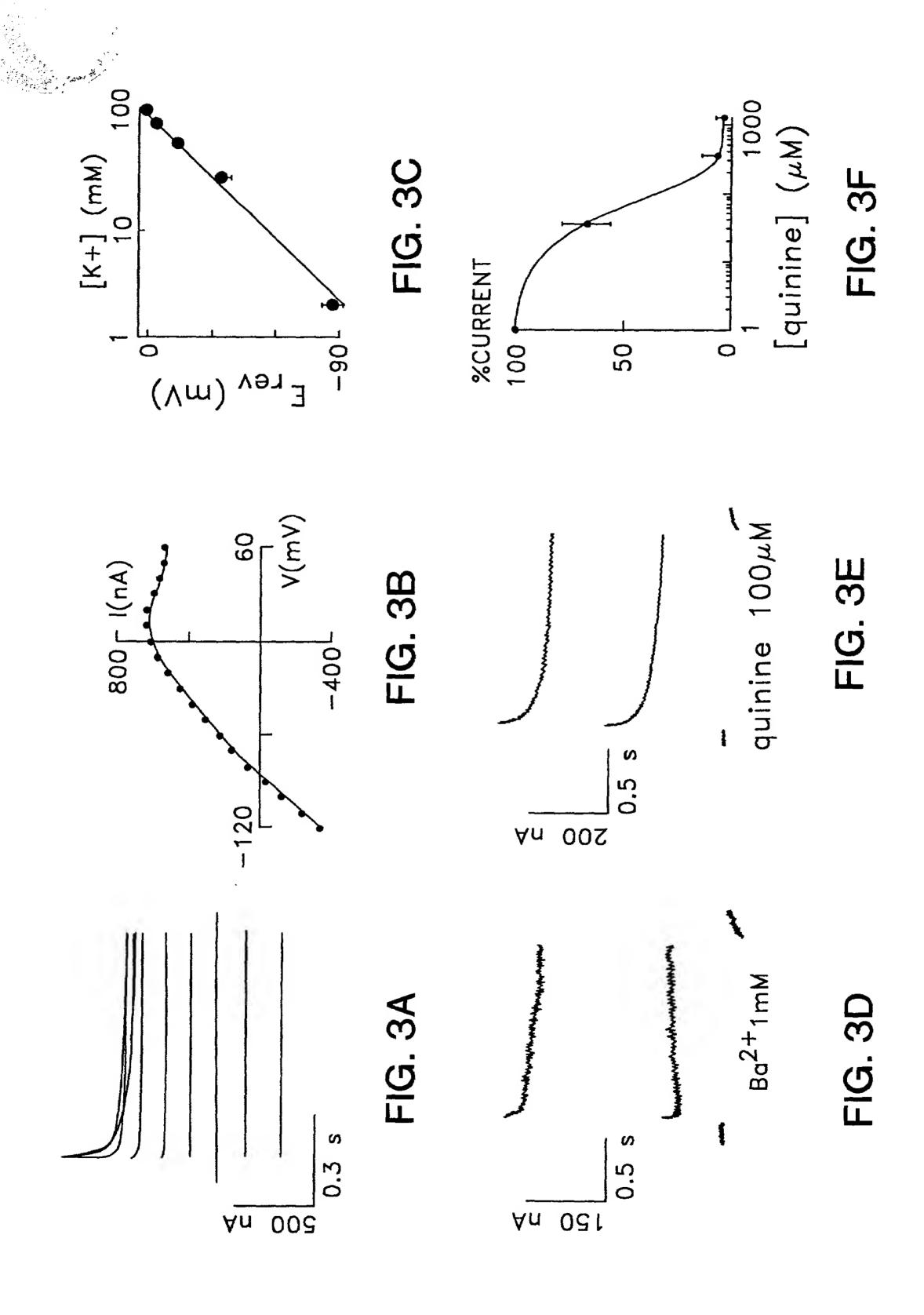
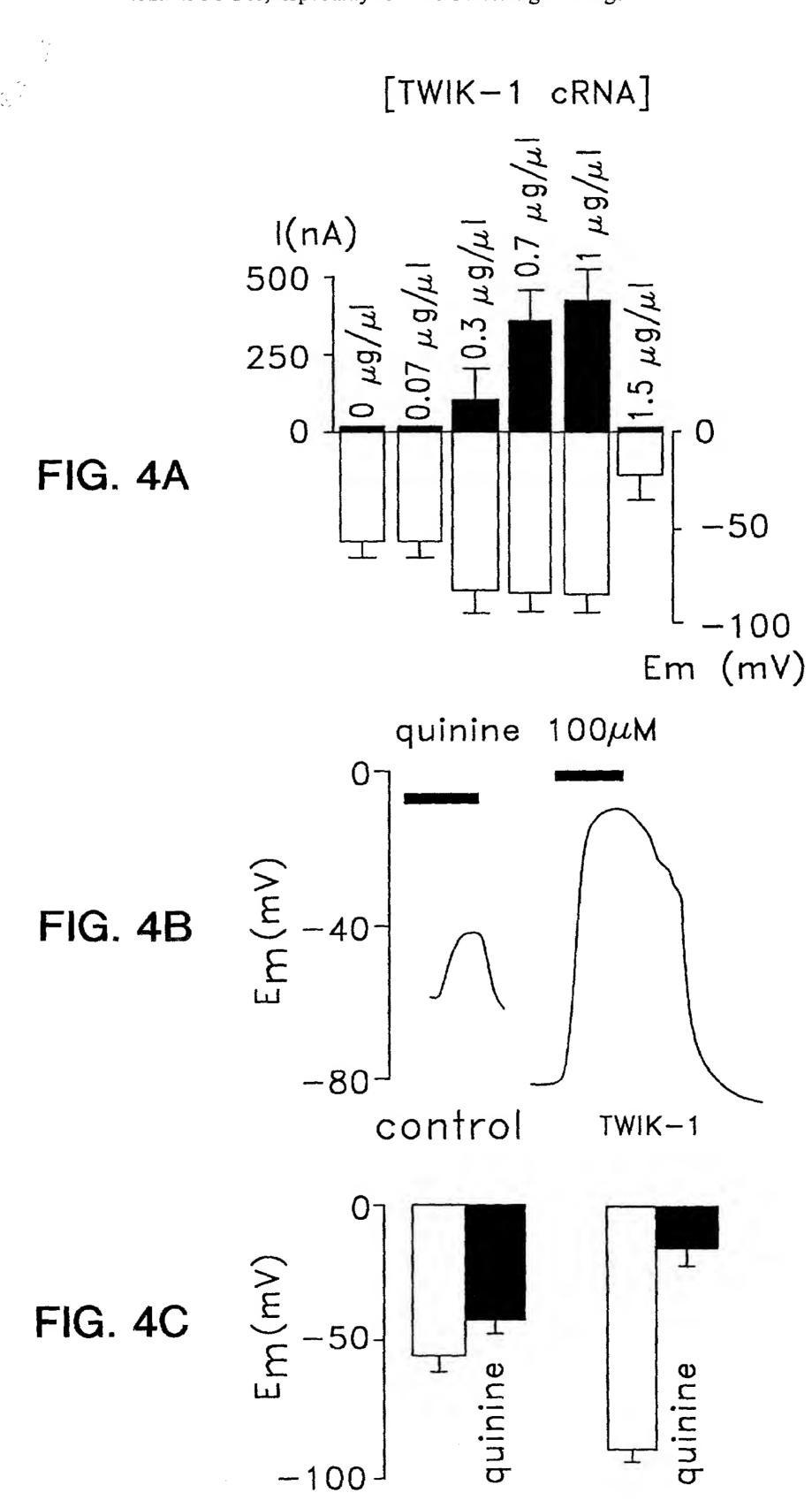


FIG. 2B

The state of the s

1201-CIP-DIV-2-00 Fabrice Duprat, et al Family of Mammalian Potassium Channels, Their Cloning And Their Use, Especially for The Screening of Drugs





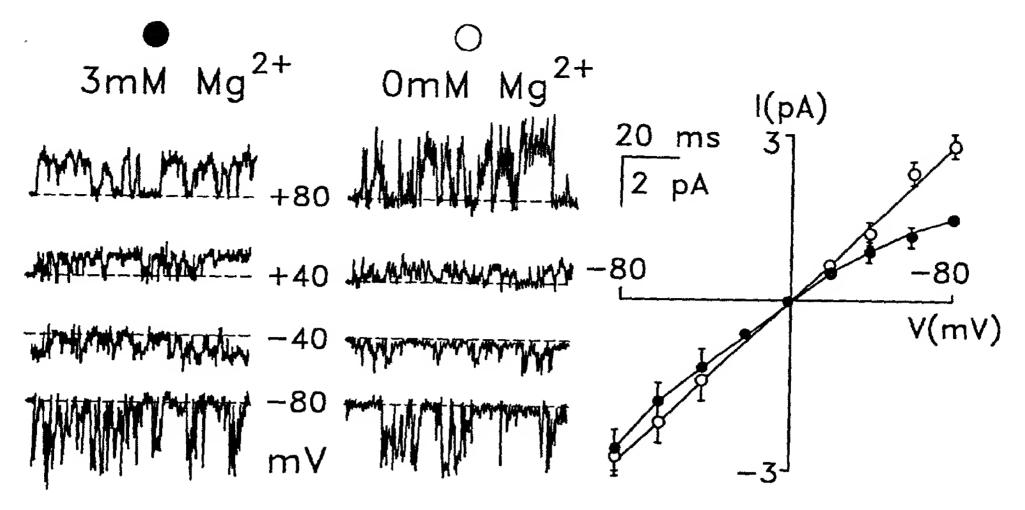


FIG. 5A

FIG. 5B

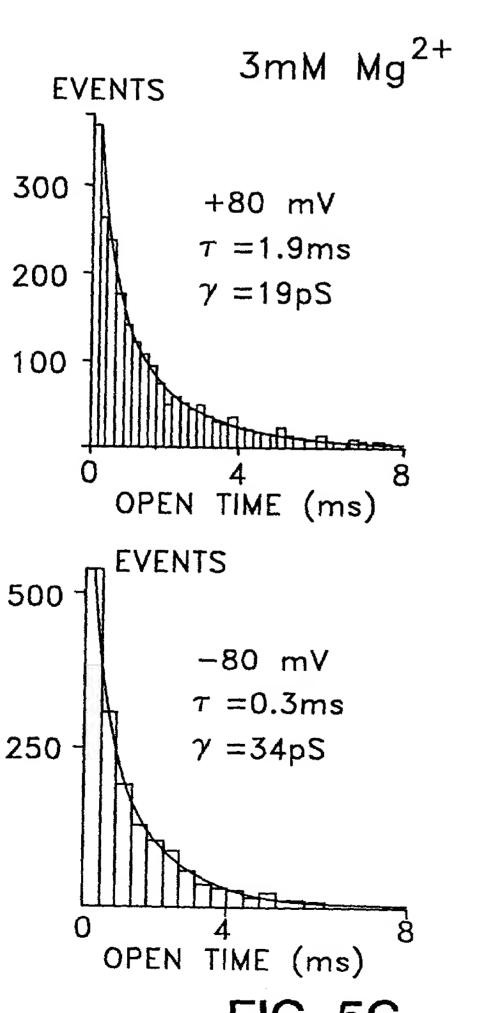


FIG. 5C

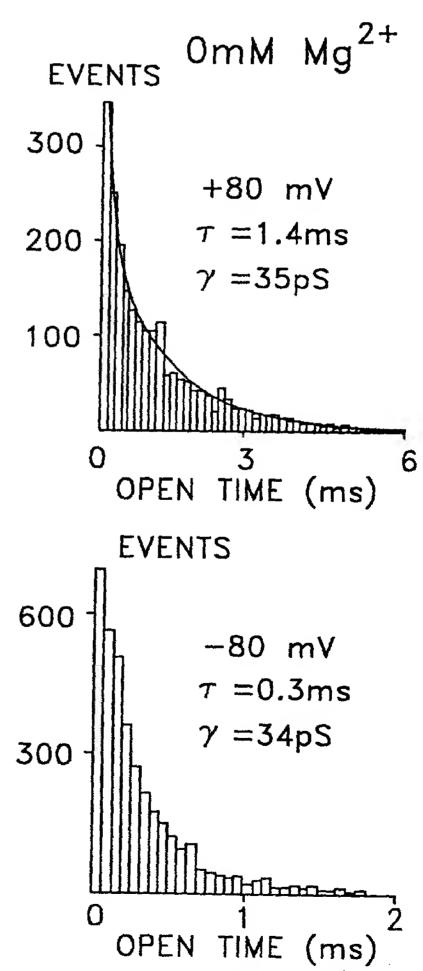
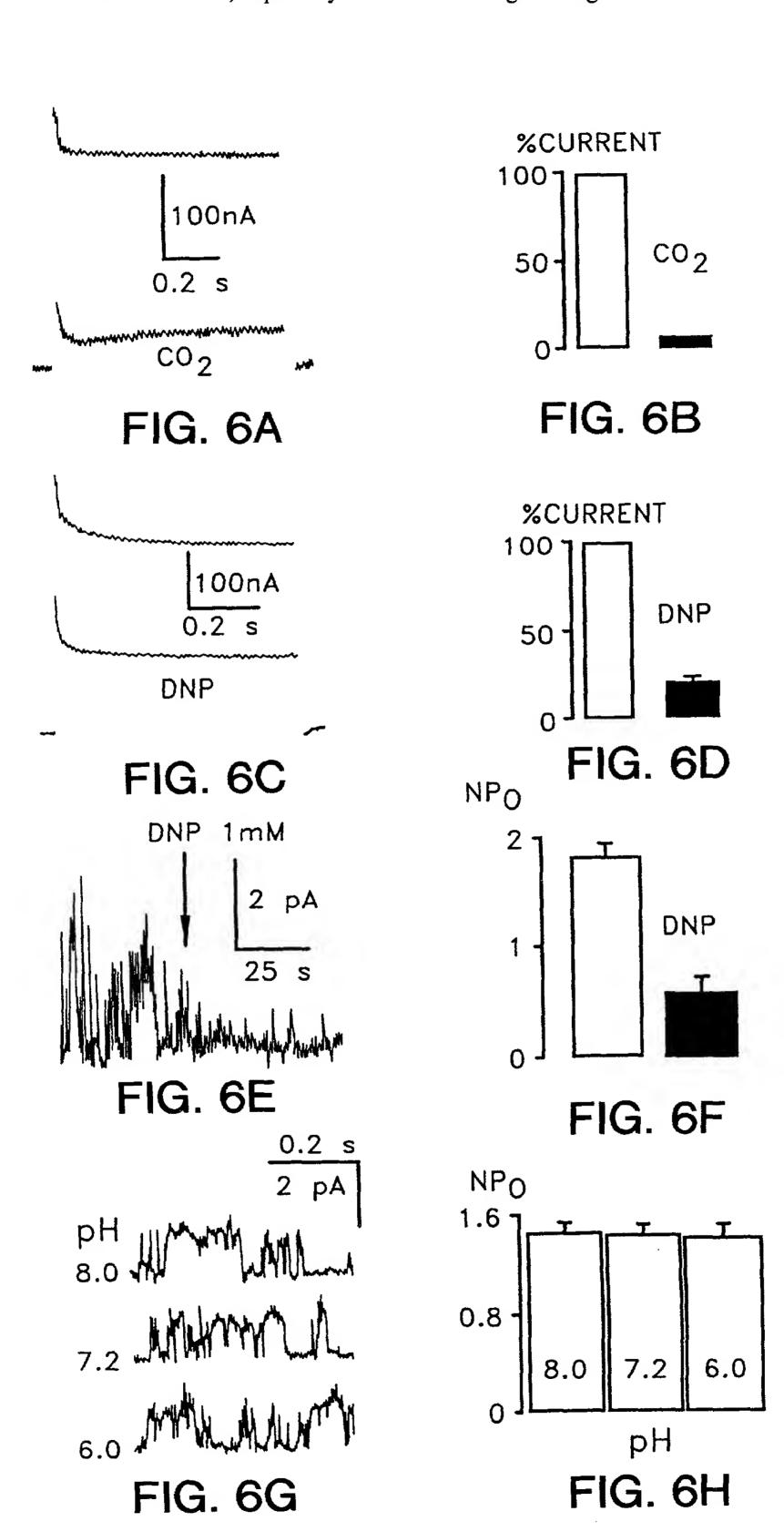


FIG. 5D



lian.

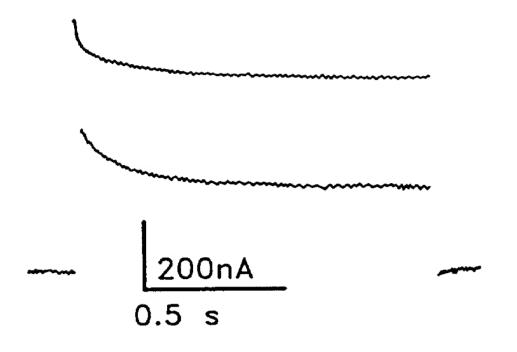


FIG. 7A

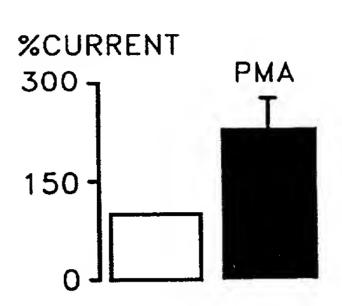


FIG. 7B

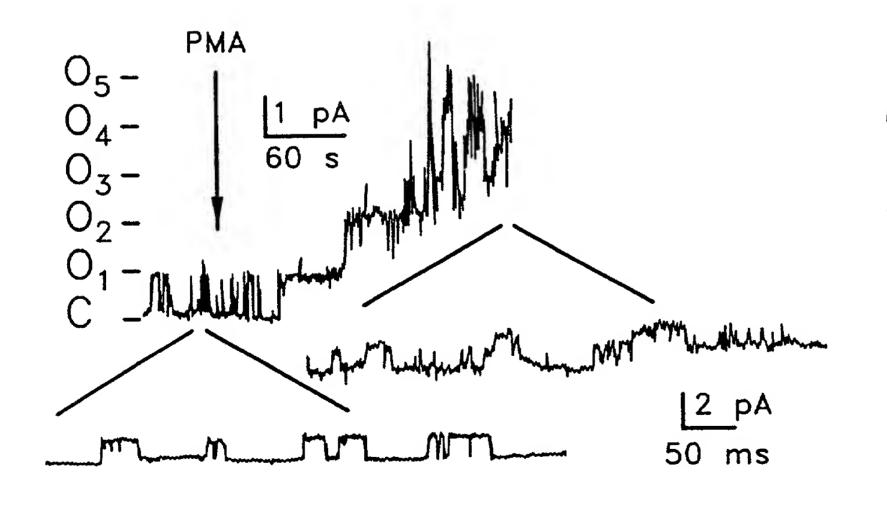


FIG. 7C

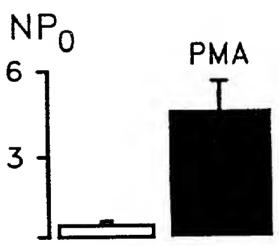


FIG. 7D



tgccctgcgcggatagcgcggcgcagccatgccccaggccgcctccg -77 ATG AAG CGG CAG AAC 57 GTG CGC ACG CTG GCG CTC ATC GTG TGC ACC TTC ACC TAC CTG R R C F Y L 19 M K Q N V T L Α L I ν T T I V C T F T Y E N V R T L A L L GCC GTC TTC GAC **GCG** CTG TCG GAG CCC GAG CTG ATC 114 GGC **GCG** GAG GAG **CGG** F E S 38 V G A A V D A L E ₽ E L I  $\mathbf{E}$ R L F E E E I E V G V D L S P M R A A A 171 CAG CGG CTG GAG CTG CGG CAG CAG GAG CTG CGG GCG CGC TAC AAC CTC AGC CAG GGC Q R L Ε L R Q Q E L R A R Y S Q G 57 N E E S E Q R L L R Q L L R A R Y N L G GTG CTG CGC 228 GGC TAC GAG GAG CTG GAG CGC GTC CTC AAG CCG CAC AAG GCC GGC GTG 76 G E R R ₽ H G V Y E E L V L L K K A E Ē L E L G Y R V V R L K P H K G V A GGC CAG TGG CGC TTC GCC TCC TTC TAC TTC GCC ATC ACC GTC ATC ACC ACC ATC GGC 285 F W R F Α G S Y F A I T V I T T I G 95 Q F G S F Y F A I T V I I Q W R A Т T G GCA CCC AGC ACG GAT GGC GGC TAC GGG CAC GCG AAG GTG TTC TGC TTC TAC 342 ATG GCG Y G Н P S T D G G K V F C F Y 114 Α A M Α P Y G H A Α S D G G K V F C M F Y A CTG CTG GGC ATC CCG CTC ACG CTC GTC ATG TTC CAG AGC CTG GGC GAG CGC ATC 399 AAC L G P L I L L V M F Q S L G E R I N 133 G I P L Т I M F Q S L G E R I N CTG CAC GTG CTG ACC AGG TAC CGC GCC AAG AAG GGG GGC CGG CGC GCC 456 ATG V R Y H R K G G R 152 L L A K L M R A R Y K F V L L H R A R G L G M R H A GAC GTG TCC ATG GCC AAC ATG GTG CTC ATC GGC TTC TTC TCG TGC ATC AGC ACG CTG 171 ATC GGC GCC GCC GCC TTC TCC CAC TAC GAG CAC TGG ACC TTC TTC CAG GCC 570 190 I Y C G S Y E R A W Q TTC ATC ACC CTC ACC ACC ATC GGC TTC GGC GAC TAC GTG GCG CTG CAG 627 F G Y G  $\mathbb{D}$ 209 Α L I T I F T G G D Y V Q GCC CTG CAG ACG CAG CCG CAG TAC GTG GCC TTC AGC TTC GTC TAC ATC 684 K P D T Y F S Α ν Y 228 P S K D I ACG GTC ATC GGC GCC TTC CTC AAC CTC GTG GTG CTG CGC TTC 741 247 M I N M

FIG. 8A



798 ACC ATG AAC GCC GAG GAC GAG AAG CGC GAC GCC GAG CAC CGC GCG CTG CTC ACG E H R R 266 M A E D K R D Α E L L N A E E T D K R D E H R A L L H M N A Α GGA GGG GGT 855 GCG GGC GGC GGC GGC AGC GCG CAC ACT ACG GAC ACC GGG CAG 285 Ţ G G G G G G S H T D Α N G Q Α G A N G Q A У G L G G L S  $\mathbf{C}$ S  $\mathbf{G}$ S L G  $\mathbf{D}$ GCA GCG GGC GGC GGC TTC CGC AAC GTC GTG 912 TCC ACG GCG TAC GCG GAG S 304 S T G G G G F R Y E V A Α A N V Α G GVGVGVGGS G **VRPRDPV** E TC AA A F R N V Y Α V A 969 TTC CAG TCC ATG TGC TCG TGC CTG TGG TAC AAG AGC CGC GAG AAG CTG CAG TAC CAC F S C S C L W Y K S R E K L Q Y 323 H Q M H F Q S C S W K S R E Y M K L Q ATC 1026 GAC GTG CCC ATG ATC CCG CGG CTC TCC ACG TCC GAC ACG TGC GAG P S E 342 S M I I P R D L T \$ D C V Q S I I I E P M P R D L S T S D T C V H AGC TCG TCG CCG GGA GGG GGC GGC CGC TAC AGC GAC ACG CCC TCG CGC 1083 CGA P S H S S G G G Y S  $\mathbf{T}$ P R 361 G R D S R C H S S P Y S S S G G G G R D  $\mathbf{T}$ P P C CTG TGC AGC GGG GCG CCA CGC TCC GCC ATC AGC TCG GTG TCC **ACG** GGT CTG CAC AGC 1140 L C S G S S S S 380 A P R A I T G H S C S G T S S S Q R A Ι S S ٧ Т G L H CTG TCC ACC TTC CGC GGC CTC ATG AAG CGC AGG AGC TCC GTG TGA ctgccccgagggacc 1200 L S Ţ F R G K R S S 395 M R V R G S M K R Ş V R tggagcacctgggggggggggggggggacccctgctgggaggccaggagactgcccctgctgccttctgcccagtg 1276 ggaccccgcacaacatccctcaccactctcccccagcacccccatctccgactgtgcctgcttgcaccagccggca 1352 ggaggccgggctctgaggacccctggggcccccatcggagccctgcaaattccgagaaatgtgaaacttggtgggg 1428 gctggtaccacaccccaccttcggaggggacttcatgttccgtgtacgtttgcatctctatttatacctctgtcct 1580 gctaggtctcccaccttcccttggttccaaaagccagggtgtctatgtccaagtcacccctactcagccccactcc 1656 ccttcctcatccccagctgtgtctcccaacctcccttcgtgttgttttgcatggctttgcagttatggagaaagtg 1732 gcgagctgggaggcaggaggcctgtcagtctgcagaatggtcgcactggaggttcaagctaactggcctc 1884 cagccacattctcatagcaggtaggacttcagccttccagacactgcccttagaatctggaacagaagacttcaga 1960 ctcaccataattgctgataattacccactcttaaatttgtcgagtgatttttagcctctgaaaactctatgctggc 2036 cactgattcctttgagtctcacaaaaccctacttaggtcatcagggcaggagttctcactcccattttacagatga 2112 gaatactgaggcctggacaggtgaagtgaccagagagcaaaaggcaaaggggtgggggctgggtgcagtggctcac 2188 acctgtattcccaacacttttggaggctgaggttggaggattgcttgagcccaggaattcgagaccagcctaggtg 2264 acatagtgagaccccatctctacaaaaaataaaaattaaccaggtgtggtggcacgtgcctgggagtcccagcga 2340 cttgggaggctgaggtgggaggattgtttgagcctgggaggtcgaggctgtagtgagccctgattgcaccactgta 2416 2465

FIG. 8B

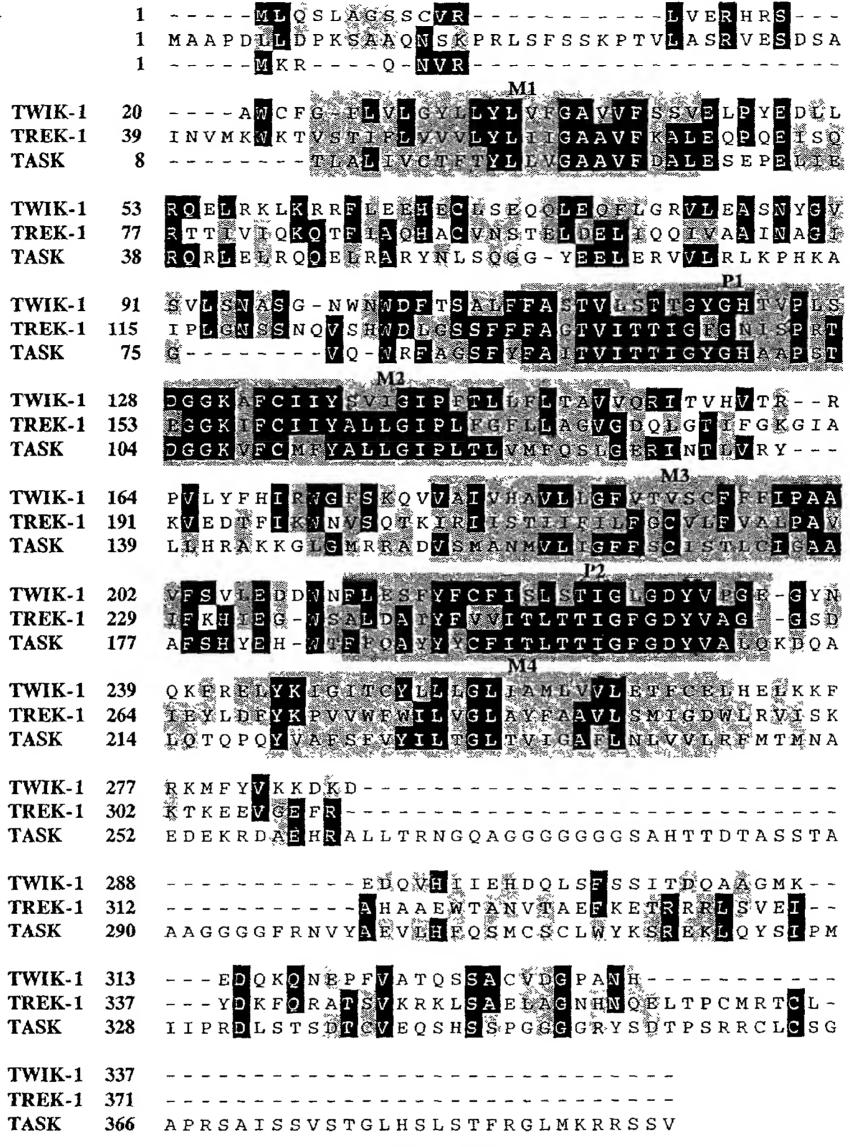
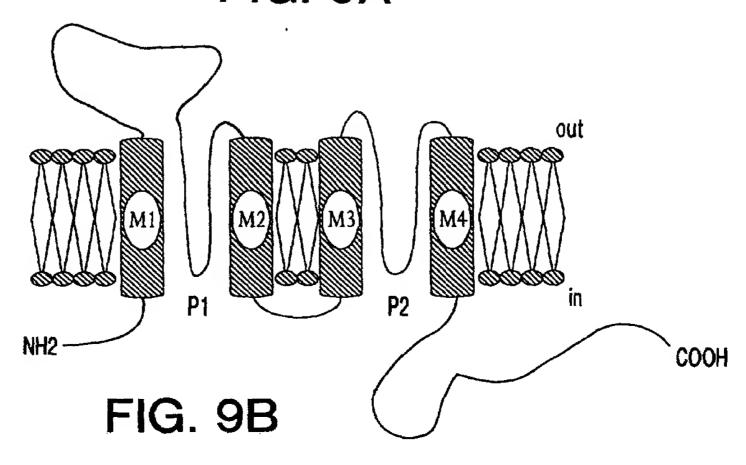


FIG. 9A





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And Their Use, Especially for The Screening of Drugs

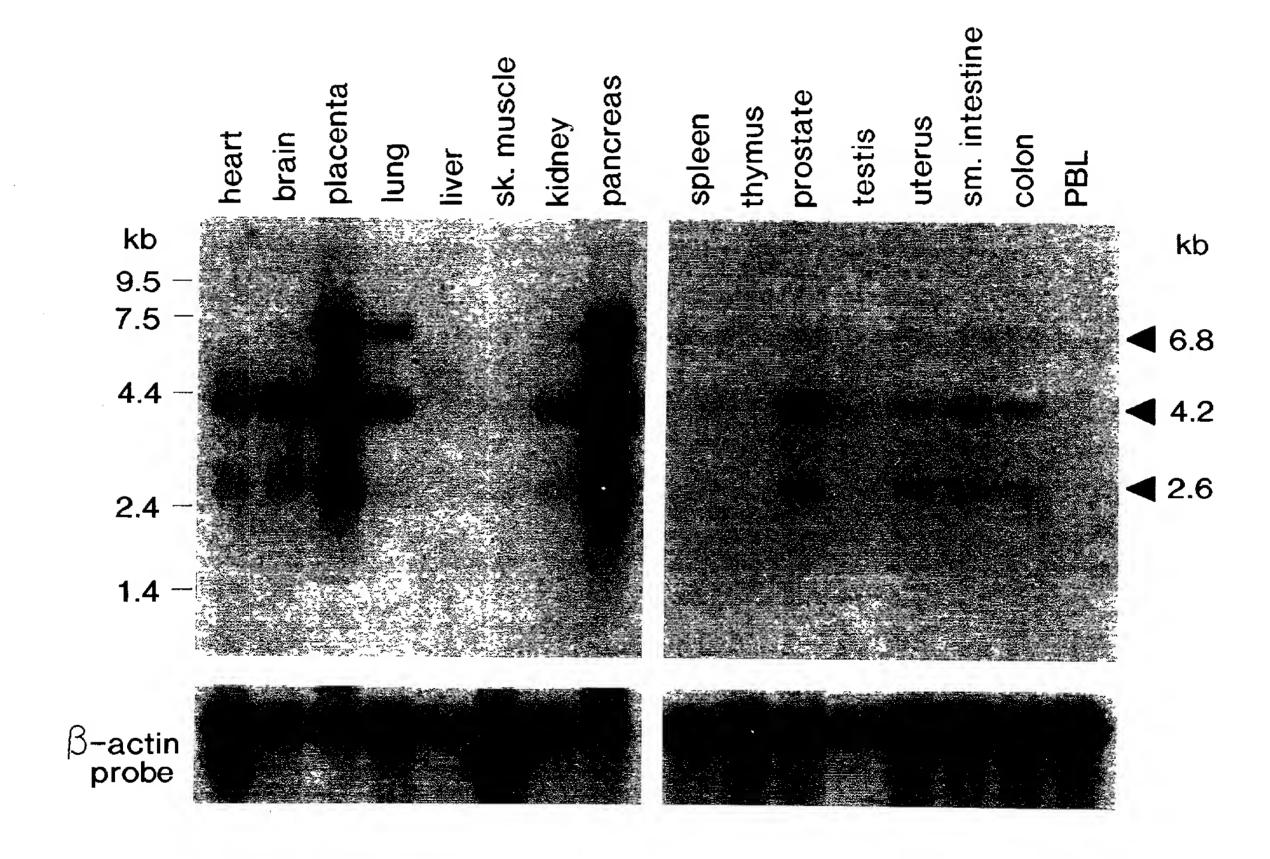


FIG. 10

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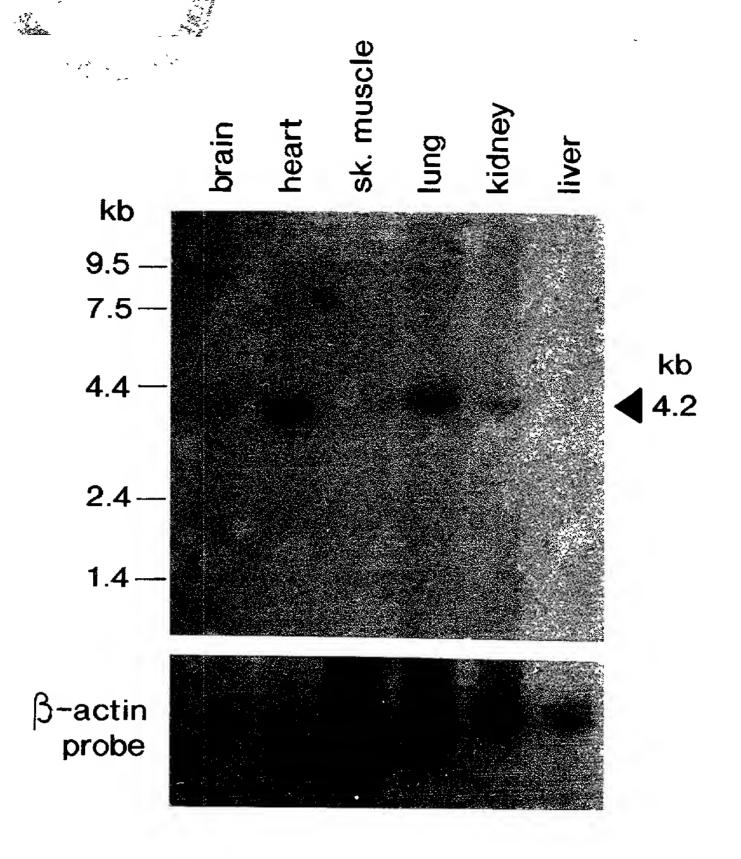


FIG. 11A

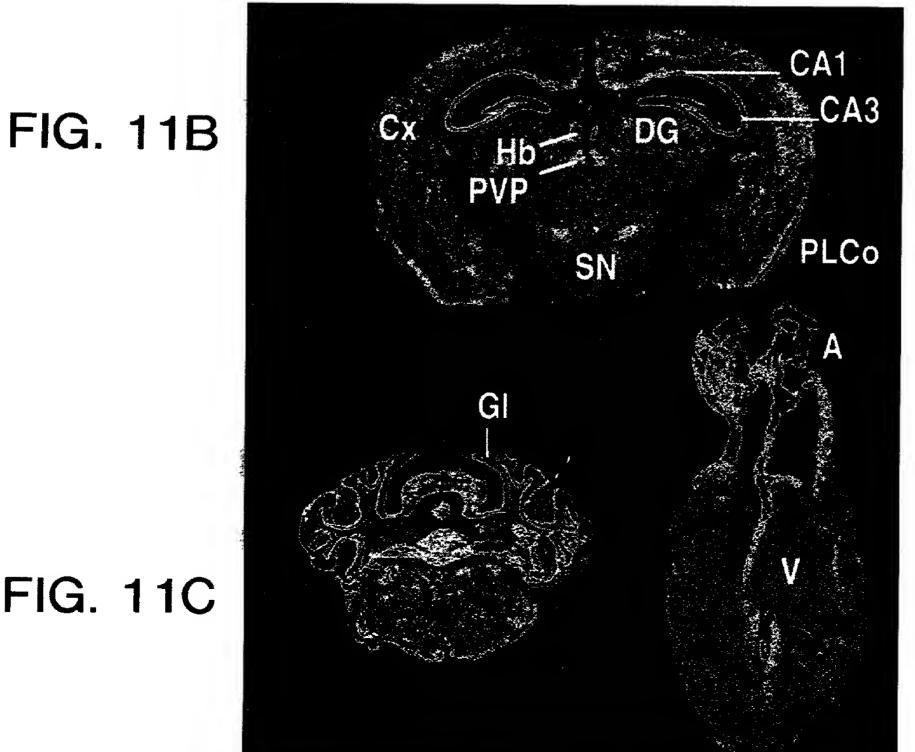


FIG. 11C

FIG. 11D

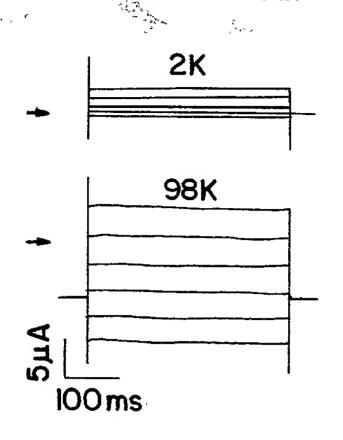
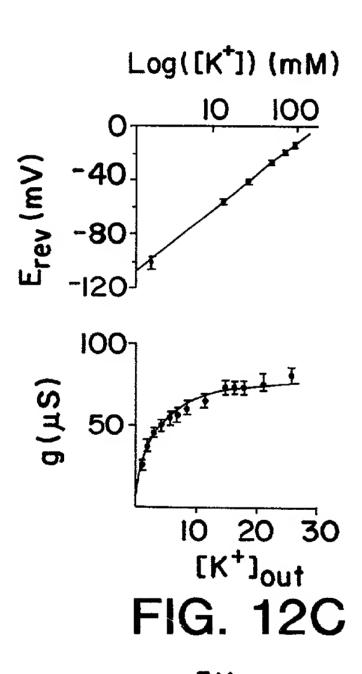


FIG. 12A



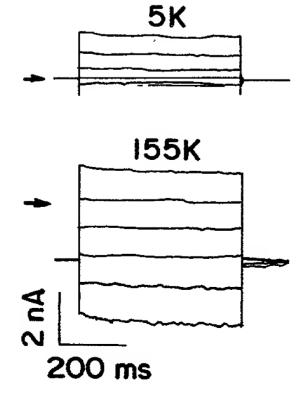


FIG. 12E

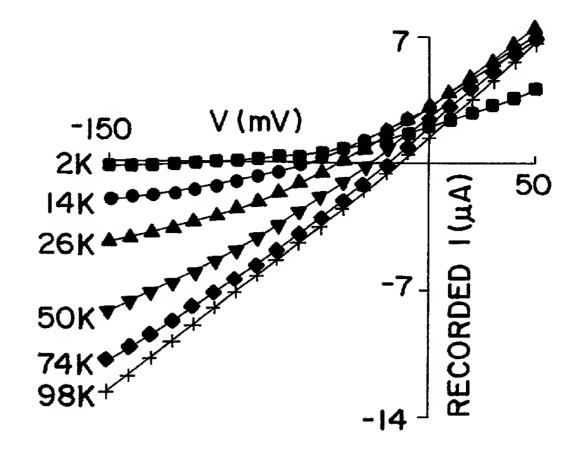


FIG. 12B

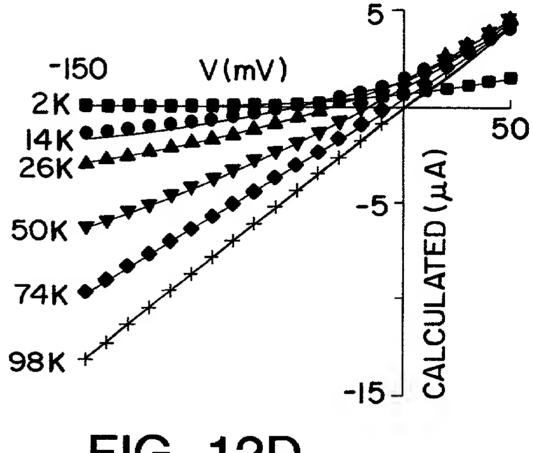


FIG. 12D

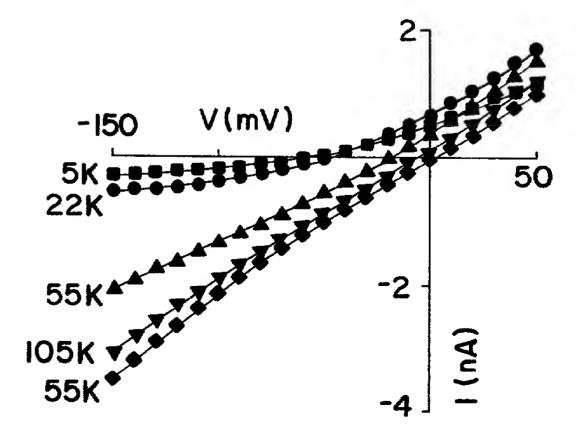


FIG. 12F

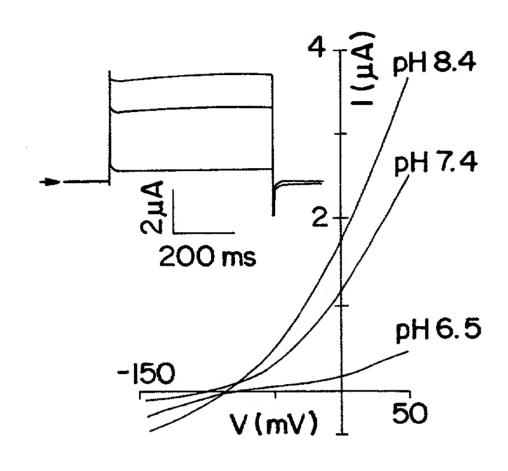


FIG. 13A

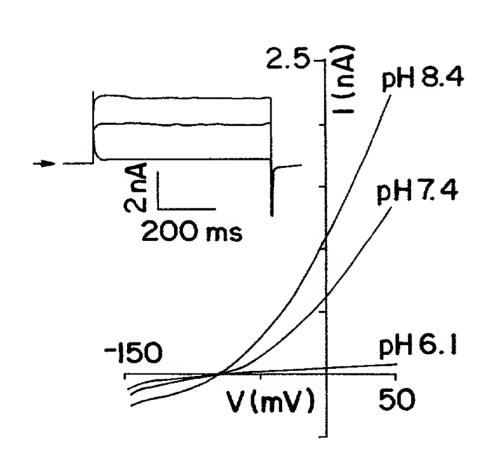


FIG. 13C

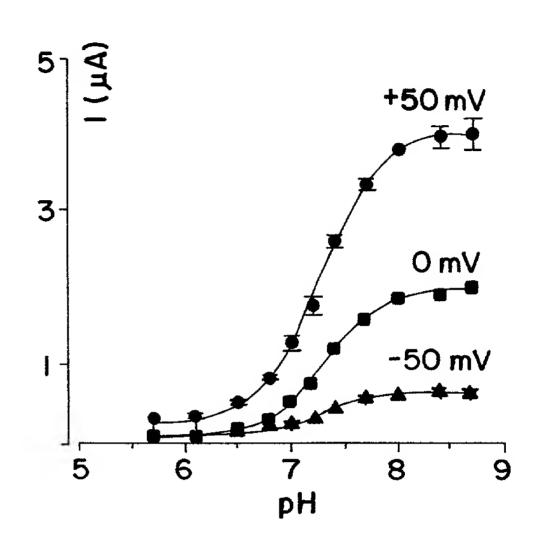


FIG. 13B

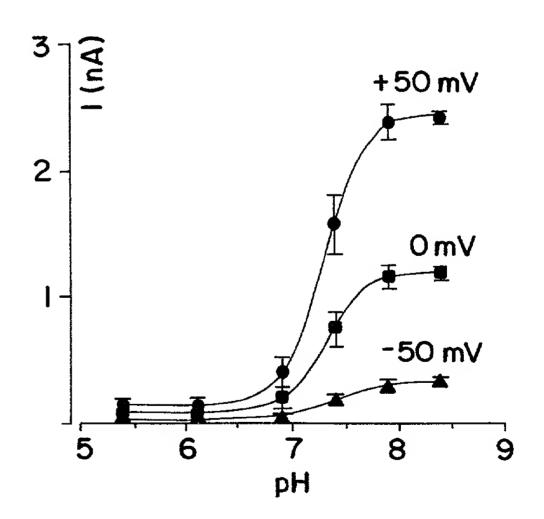


FIG. 13D